

## ABSTRACT

The usual formulation of the compiler representation known as 'SSA-form' can only handle local variables. It is desirable to extend this to allow other locations to be represented. Therefore, this invention adds synchronization operations that allow the  
5 efficient use of SSA form for non-local memory locations in the presence of possible aliasing.

Patent Application No. 10/100,000, filed March 1, 2002, by Intel Corporation, Santa Clara, CA, USA, for "A Method and Apparatus for Representing Non-Local Memory Locations in SSA Form", which is hereby incorporated by reference.